

BUENAVENTURA AEROSPACE SOCIETY CHAPTER

UCSB's Nanofabrication Lab

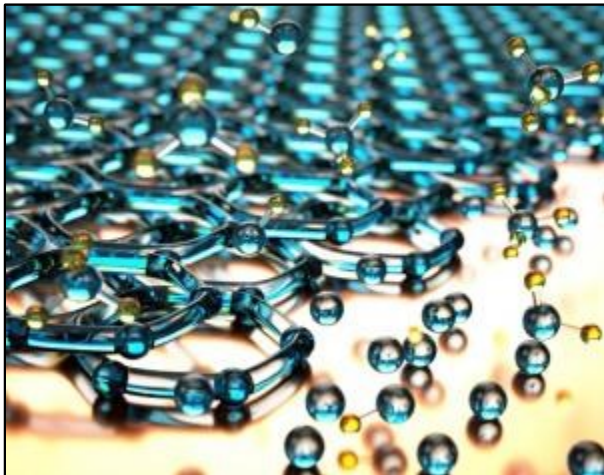
Capabilities and a Few Research Highlights

Mark Rodwell, Ph.D. and Brian Thibeault, UCSB Nanofabrication Facility

Thu Jun 18, 2015 at 6:30 pm

CLU Ahmanson Richter Hall

Meetings are free and open to the public



Mark Rodwell and Brian Thibeault will present some of the new capabilities of the UCSB nanofabrication lab, a shared facility with comprehensive tools for fabrication of nanometer-scale devices. The facility is open for research use, with an hourly charge, not only to UCSB students and staff, but also to qualified researchers from other universities, research institutions, and industry. The facility is used by researchers in photonics, electronics, thermoelectrics, lighting, solar devices and materials. There are comprehensive tools for fabrication of III-As/P/Sb electronics, (e.g. nm & THz transistors), III-N electronics, (e.g. GaN microwave

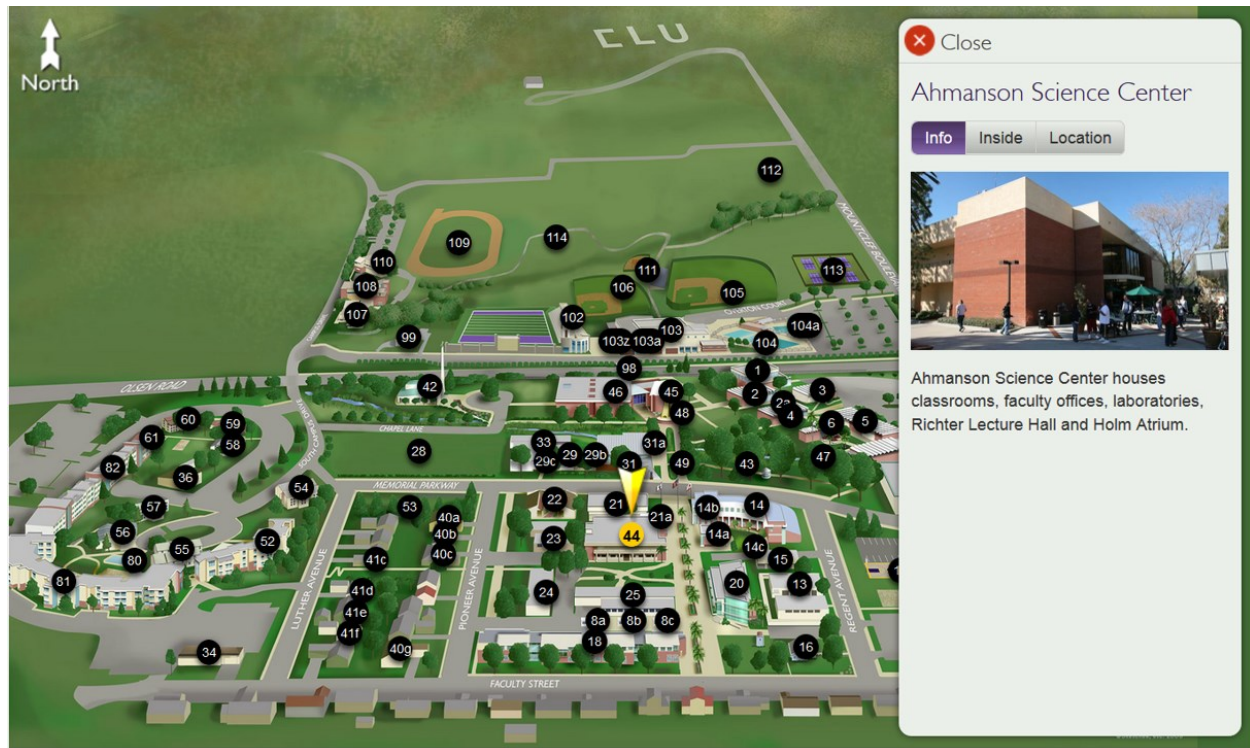
power and kV switching transistors), III-As-P photonics, (e.g. InGaAsP lasers, modulators and photonic integrated circuits), Si and Si/InP hybrid photonics, and III-N optoelectronics from visible to UV, (e.g. solid-state lighting and blue lasers). There is extensive physics research, including spintronics, THz physics, and Quantum computing. The speakers will describe the facility and its tools. They will also highlight key research accomplishments by the lab users.

Mark Rodwell, IEEE Fellow, holds the Doluca Family Endowed Chair in Electrical and Computer Engineering. He is a Professor in the Electrical and Computer Engineering Department at UCSB. He also directs the UCSB Nanofabrication laboratory and its participation in the NSF National Nanofabrication Infrastructure Network (NNIN). **Brian Thibeault** is the nanofabrication project scientist who manages the process group in the facility and is the primary outside user contact for new projects, performs outside user fabrication work, provides guidance of equipment purchases, directs characterization of new processes, facilitates troubleshooting of process and equipment related to processing problems, and acts as a general cleanroom process consultant for all laboratory users.

.Location: California Lutheran University
100 Ahmanson Science Building,
60 West Olson Road, Thousand Oaks
(see map on next page)
Pizza/networking starts at 6:30 pm
Talk starts at 7:00 pm

Our sponsors
California Lutheran University
IEEE Buenaventura Section

RSVP: get your ticket [here](#) (free event)



Directions from Ventura:

Take the Ventura Freeway 101 South.
Take Lynn Road Exit, turn left, drive 2.9 miles.
Lynn Road turns into Olsen Road, drive .9 miles.
Turn right onto Mountclef Boulevard - the University is on the right
Turn Right onto Memorial Parkway
Park on Memorial Parkway or adjacent streets.

Directions from Los Angeles:

Take the Ventura Freeway 101 North.
Take Lynn Road Exit, turn right, drive 2.9 miles.
Lynn Road turns into Olsen Road, drive .9 miles.
Turn right onto Mountclef Boulevard - the University is on the right.
Turn Right onto Memorial Parkway
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